Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application:

1. (currently amended) Method of communication in respect of transmitting/receiving stations ~~(1, 2)~~ in a wireless communication network, in which method first multi-receiver frames ~~(RTS, CTS)~~ are exchanged between a station and a plurality of other stations and second mono-receiver frames ~~(DATA, ACK)~~ are exchanged between a transmitting station and a receiving station, the first frames being transmitted in an omnidirectional manner, ~~characterized in that~~ wherein the second frames are transmitted in a directional manner and in that the transmission in a omnidirectional manner is effected in a more robust fashion than the transmission in a directional manner.

2. (currently amended) Method according to claim 1, ~~characterized in that~~ wherein the most robust transmission is effected at a lower throughput than the least robust transmission.

3. (currently amended) Method according to ~~any of claims 1 and 2, characterized in that~~ claim 1, wherein the mono-receiver frames are modulated by a modulation with a first number of phases and in that the multi-receiver frames are modulated by a modulation with a second number of phases, and in that the first number of phases is higher than the second number of phases.

4. (currently amended) Method according to claim 3, ~~characterized in that~~ wherein the mono-receiver frames are modulated by a modulation with more than two phases and in that the multi-receiver frames are modulated by a two phases modulation.

5. (currently amended) Method according to ~~any of claims 1 to 4, characterized in that~~ claim 1, wherein the mono-receiver frames are coded with a first forward error correction rate and the multi-receiver frames are coded with a second forward error correction, and in that the first rate is higher than the second rate.

6. (currently amended) Method according to claim 5, ~~characterized in that~~ wherein the mono-receiver frames and the multi-receiver frames are modulated by the same modulation.

7. (currently amended) Method according to ~~any of claims 1 to 6, characterized in that~~ claim 1, wherein the transmission is in compliance with one of the standard belonging to the set comprising:

- Hiperlan type 2; and
- IEEE 802.11a

8. (currently amended) Method according to ~~any of claims 1 to 6, characterized in that~~ claim 1, wherein the transmission is in compliance with IEEE 802.11g.

9. (currently amended) Transmitting and/or receiving station ~~(1, 2, 3, 4)~~ for a wireless communication network, ~~characterized in that~~ wherein said station comprises means to transmit and/or receive multi-receiver frames in an omnidirectional manner and means to transmit and/or receive mono-receiver frames in a directional manner, the transmission in a omnidirectional manner being effected in a more robust fashion than the transmission in a directional manner.

10. (currently amended) Station according to claim 9, ~~characterized in that~~ wherein the mono-receiver frames are modulated by a modulation with a first number of phases and in that the multi-receiver frames are modulated by a modulation with a second number of phases, and in that the first number of phases is higher than the second number of phases.

11. (currently amended) Station according to claim 10, ~~characterized in that~~ wherein the mono-receiver frames are modulated by a modulation with more than two phases and in that the multi-receiver frames are modulated by a two phases modulation.

12. (currently amended) Station according to ~~any of claims 9 to 11, characterized in that~~ claim 9, wherein the mono-receiver frames are coded with a first forward error correction rate and in that the multi-receiver frames are coded with a second forward error correction, and in that the first rate is higher than the second rate.

13. (currently amended) Station according to claim 12, ~~characterized in that~~ wherein the mono-receiver frames and the multi-receiver frames are modulated by the same modulation.

14. (currently amended) Station according to ~~any of claims 9 to 13, characterized in that~~ claim 9, wherein it comprises at least one omnidirectional antenna ~~(11)~~ and one or more directional antennas ~~(12a, 12b, 12c, 12d)~~.

15. (currently amended) Station according to ~~any of claims 9 to 14, characterized in that~~ claim 9, wherein it comprises four directional antennas oriented at 90° with respect to one another.

16. (currently amended) Station according to ~~any of claims 9 to 15, characterized in that~~ claim 9, wherein the transmission is in compliance with one of the standard belonging to the set comprising:

- Hiperlan type 2; and
- IEEE 802.11a

17. (currently amended) Station according to ~~any of claims 9 to 15, characterized in that~~ claim 9, wherein the transmission is in compliance with IEEE 802.11g

18. (currently amended) Wireless communication network ~~characterized in that~~ wherein it comprises several transmitting and/or receiving stations ~~(1, 2, 3, 4) according to one of claims 9 to 17~~ claim 9.